

AMENDMENTS TO THE CLAIMS

Please make the following amendments to the claims:

1-69. (Cancelled)

70. (Currently Amended) A communication device, comprising:

a receiver for developing a received signal, where said receiver comprises an adaptive device having at least one operating parameter; and

a digital signal processor (DSP), where said DSP comprises:

layer one logic configured to perform OSI layer one processing; and

frame check sequence logic configured to compute a frame check sequence

(FCS) on each frame of said received signal, wherein the layer one logic has access to said frame check sequence.

71. (Currently Amended) The apparatus as defined in claim 70, wherein the DSP further comprising comprises:

means for saving ~~at least one~~ the parameter of an adaptive device located within said receiver, ~~and calculated by said DSP~~, if said frame check sequence indicates that said received signal is error free.

72. (Currently Amended) The apparatus as defined in claim 70, further comprising means for using an existing parameter ~~parameters of an adaptive device located within said receiver~~ if said frame check sequence indicates that said received signal contains errors.

73. (Currently Amended) The apparatus as defined in claim 70, wherein ~~said frame check sequence is used to calculate at least one~~ the parameter of an adaptive device is chosen from the group consisting of an equalizer, echo-canceller, adapted gain device, and timing loop.

74. (Currently Amended) The apparatus as defined in claim 70, wherein said frame check sequence is used to adapt a receive margin level based on said received signal.

75-79. (Cancelled)

80. (Previously Presented) The device as defined in claim 70, wherein said device operates in a multipoint environment.

81. (Previously Presented) The device as defined in claim 70, wherein said device operates in a half duplex environment.

82. (Previously Presented) The device as defined in claim 70, wherein said device operates in a full duplex environment.

83. (Previously Presented) The device as defined in claim 70, wherein said device operates in an asymmetrical duplex environment.

84-102. (Cancelled)

103. (New) The apparatus as defined in claim 70, wherein the DSP further comprises:
means for calculating a value for the parameter;
means for storing the calculated value as a last known good value if a message received from a remote device indicates the calculated value is acceptable;

means for updating the parameter with the last known good value if the frame check sequence indicates that said received signal is error free; and

means for updating the parameter with the most recently calculated value if the frame check sequence indicates that the received signal contains errors.

104. (New) The apparatus as defined in claim 70, wherein the DSP further comprises means for updating the parameter with a calculated value if said frame check sequence indicates that said received signal is error free.

105. (New) The apparatus as defined in claim 70, further comprising means for operating with an existing value for the parameter if said frame check sequence indicates that said received signal contains errors.

106. (New) The apparatus as defined in claim 70, wherein the means for calculating determines the value based on the frame check sequence.

107. (New) The apparatus as defined in claim 71, wherein the DSP further comprises means for calculating the parameter value.